

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, INSPEC, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PERRIG A ET AL: "ELK, A NEW PROTOCOL FOR EFFICIENT LARGE-GROUP KEY DISTRIBUTION" PROCEEDINGS OF THE 2001 IEEE SYMPOSIUM ON SECURITY AND PRIVACY. S&P 2001. OAKLAND, CA, MAY 14 - 16, 2001, PROCEEDINGS OF THE IEEE SYMPOSIUM ON SECURITY AND PRIVACY, LOS ALAMITOS, CA: IEEE COMP. SOC, US, 14 May 2000 (2000-05-14), pages 247-262, XP001035887 ISBN: 0-7695-1046-9 page 250, right-hand column, line 7-15 page 251, left-hand column, line 13-29 page 151, right-hand column, line 1-38 page 253, left-hand column, line 9 -page 254, right-hand column, line 5	1,5,6, 11,12, 14-21, 38,39,42
A	-/--	2-4,13, 22-37, 40,41, 43-45

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
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- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*Z\* document member of the same patent family

Date of the actual completion of the international search

9 July 2003

Date of mailing of the international search report

18/07/2003

Name and mailing address of the ISA

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## INTERNATIONAL SEARCH REPORT

Internat or p ca. 011110

PCT/GB 03/01096

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>RAFAELI S ET AL: "EHBT: an efficient protocol for group key management" NETWORKED GROUP COMMUNICATION. THIRD INTERNATIONAL COST264 WORKSHOP, NGC 2001. PROCEEDINGS (LECTURE NOTES IN COMPUTER SCIENCE VOL.2233), PROCEEDINGS OF NGC'01: NETWORKED GROUP COMMUNICATION 2001, LONDON, UK, 7-9 NOV. 2001, pages 159-171, XP002212798 2001, Berlin, Germany, Springer-Verlag, Germany ISBN: 3-540-42824-0 abstract page 161, line 10-36 page 163, line 1 -page 164, line 3 page 164, last paragraph -page 165, line 13</p>	1,5,6, 11,12, 14,21, 38,39,42
A		2-4, 22-37, 40,41, 43-45
X	<p>KIM Y ET AL: "SIMPLE AND FAULT-TOLERANT KEY AGREEMENT FOR DYNAMIC COLLABORATIVE GROUPS" PROCEEDINGS OF THE 7TH. ACM CONFERENCE ON COMPUTER AND COMMUNICATIONS SECURITY. CS 2000. ATHENS, GREECE, NOV. 1 - 4, 2000, ACM CONFERENCE ON COMPUTER AND COMMUNICATIONS SECURITY, NEW YORK, NY: ACM, US, vol. CONF. 7, 1 November 2000 (2000-11-01), pages 235-244, XP001033111 ISBN: 1-58113-203-4 page 236, left-hand column, line 5 -right-hand column, line 10 figure 1 page 238, right-hand column, line 37 -page 239, left-hand column, line 36</p>	1,5,6, 11,12, 15,16, 21,38, 39,42
A		2-4,13, 22-37, 40,41, 43-45
X	<p>US 6 049 878 A (WALDVOGEL MARCEL ET AL) 11 April 2000 (2000-04-11) figure 4 column 6, line 20 -column 7, line 6 column 7, line 23 - line 54 column 8, line 22 - line 56</p>	38-40,42
A		41

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/GB 03/01096

Patent document  
cited in search report

Publication  
date

Patent family  
member(s)

Publication  
date

US 6049878

A

11-04-2000

NONE

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